

(b) (6)

From: Kevin M. Brand (b) (6)
Sent: Monday, December 3, 2018 2:45 PM
To: Richardson, John M ADM CNO
Cc: Moran, William F ADM, OPNAV, VCNO; Munsch, Stuart B RADM OPNAV; Marotta, Thomas W RADM OPNAV; Pennington, William P RDML OPNAV, N5I; Stubbs, Bruce B SES OPNAV N50; (b) (6)
Subject: [Non-DoD Source] MONTHLY SITREP # 3 - COUNCIL ON FOREIGN RELATIONS - CAPT BRAND - Nov 18
Attachments: Maritime2050_FINALDRAFT.pdf; NOV EOM Report_Brand_CFR.docx
Follow Up Flag: Follow up
Flag Status: Flagged

Admiral,

Provided below is my 3rd update from the Council on Foreign Relations. Last month I highlighted that Dr. Jesse Ausubel would be briefing the 2050 Maritime Environment Summer Study report to members of Mr. Jim Baker's Office of Net Assessment's team. The briefing is complete and I have attached a draft of their final report. The report is not yet authorized for release by OSD and distribution is still close hold.

I also mentioned that at the end of November that The Rockefeller University would be hosting a conference on Maritime Environmental DNA. The National Conference took place Nov. 29-30. The conference demonstrated the capability to rapidly sample a water column and determine if a specific species or element was either currently present or had recently passed through. The new technology offers a chemical shortcut in testing for researchers shortening lab confirmation to three days – previously this would require a month. Based on what I saw at the conference, I assess the technology does not lend itself to near term tactical exploitation due to a lack of real time processing capability. However, as this technology progresses, the implications for Undersea Domain Awareness should expand.

Two additional items for your consideration this month:

1) I recently attended a meeting focused on climate change, mitigation and adaptation. While the focus was on building resilience in public/private infrastructure, during the Q&A mention was made of China's continued investment in coal powered electrical plants as a centerpiece of their infrastructure development and Belt and Road initiative. As part of our continued effort to highlight Chinese bad behavior in international affairs, we should consider weaving in China's demonstrated proclivity to fund coal plants as part of its developmental assistance into our senior leader talking points that seek to counter China's strategic narrative. The April CNBC article referenced during the Q&A is: <https://www.cnbc.com/2018/04/06/china-is-massively-betting-on-coal-outside-its-shores--even-as-investment-falls-globally.html>

2) In a November 15th article in the Diplomat, CFR's Joshua Kurlantzick, our senior fellow for Southeast Asia, argues that the administration's Free and Open Indo-Pacific policy and its stylistic approaches will find an appreciative audience in Vietnam and that there are large convergences in U.S. and Vietnamese interests when viewing China's rise. The piece further argues to consider including Vietnam in future QUAD talks as Vietnam

has made significant overtures to India, Australia, and Japan over the past 18 months. I would also offer that facilitating Vietnam's engagement with India would align to our strategy and could help operationalize India's own "look east" policy and engagement in Southeast Asia. <https://thediplomat.com/2018/11/bringing-vietnam-into-the-free-and-open-indo-pacific/>

V/R, Kevin

Kevin M. Brand
Military Fellow, U.S. Navy
David Rockefeller Studies Program
Council on Foreign Relations
58 East 68th Street, New York, New York 10065

(b) (6)

(b) (6)

www.cfr.org

Council on Foreign Relations (CFR) - CNO Senior Fellow Monthly Update

CAPT Kevin Brand (b) (6)

September Key Leadership Engagements:

- Mr. James Baker, Office of Net Assessments
- Manisha Singh, Acting Under Secretary and Assistant Secretary, Bureau of Economic and Business Affairs, U.S. Department of State
- Mr. Randal Quarles, Vice Chairman U.S. Federal Reserve Board of Governors
- Ambassador Jan Kickert, Permanent Representative of Austria to the UN
- Ambassador Cameron Munter, President & CEO of the East West Institute and Former U.S. Ambassador to Serbia and Pakistan
- Ambassador Kai Sauer, Permanent Representative of Finland to the UN
- Hon. Giovanni Buttarelli, European Data Protection Supervisor, European Commission
- Sheikh Mohammed bin Abdulrahman Al-Thani, Deputy Prime Minister and Minister of Foreign Affairs, Qatar

November Engagements (last 30 days):

- 5 Nov 18: Meeting w/Executive Vice President Adam Miller, NBC
- 5 Nov 18: Cybersecurity and Data Privacy Discussion: Prospects and Inevitability of Reform
- 7 Nov 18: Lecture on Building Cyber Resilience: Public-Private Sector Information Sharing
- 9 Nov 18: Visit to Dataminr Inc: A data analysis company offering real-time access to critical information enabling companies to respond and act faster than the competition.
- 12 Nov 18: Lotus Club Veterans Day dinner and discussion.
- 13 Nov 18: Discussion w/Mr. Dan Rosen of Rhodium Group.
- 27 Nov 18: Visit and roundtable with JP Morgan Chase.
- 27 Nov 18: Panel discussion with Network 20/20 members - Network 20/20 is an independent, nonprofit organization that helps prepare leading professionals, already advanced in their careers, to participate in entrepreneurial diplomacy overseas.
- 28 Nov 18: Meeting with Hari & Tara Hariharan of NWI Management - NWI Mgmt is a hedge fund focused on investments in emerging markets.
- 5 Nov 18: Discussion on Human Rights Crisis in Xinjiang

- 6 Nov 18: The Legacy of ‘America’s Default’: FDR’s Exit From the Gold-Exchange Standard
- 6 Nov 18: Roundtable - A Taiwan Crisis
- 7 Nov 18: Building Cyber Resilience: Public-Private Sector Information Sharing
- 7 Nov 18: The U.S.-Japan Relationship After the Midterms
- 8 Nov 18: Free and Open Indo Pacific
- 14 Nov 18: Academic Conference Call: U.S. Economic Security and the Future of Work
- 20 Nov 18: A Conversation with Giovanni Buttarelli - Giovanni Buttarelli is the European Data Protection Supervisor appointed in 2014 by the European Parliament.
- 20 Nov 18: East Asia and the ICJ
- 20 Nov 18: A Conversation with Mike Morell – Former director, Central Intelligence Agency
- 28 Nov 18: U.S.-China Trade War: What Comes Next?
- 28 Nov 18: Academic Conference Call: Xi Jinping Power Profile

Future Engagements (next 30 days+):

- 3 Dec 18: Series on International Economics w/ Randal Quarles
- 3 Dec 18: State Department Press Briefing w/ Gideon Rose
- 3 Dec 18: Sudan’s Future: A Private Sector View
- 3 Dec 18: Foreign Affairs - The role of nuclear weapons
- 4 Dec 18: How Fragile Is China?
- 5 Dec 18: Did U.S. Intelligence Fail to Predict the Iranian Revolution?
- 5 Dec 18: Political Transition in Ethiopia
- 5 Dec 18: Redefining Political Journalism in the Digital Age
- 5 Dec 18: Lessons Learned w/ Jacob Lew
- 6 Dec 18: U.S. Strategy in the Asia Pacific
- 7 Dec 18: An Inside Look at Russia
- 10 Dec 18: Conversation with Michelle Gavin: Peace and Security Concerns in Africa
- 11 Dec 18: Tax Reform: One Year On
- 11 Dec 18: The Liberal International Order: Was It a Mistake in the First Place?
- 12 Dec 18: Conference Call: The Fourth National Climate Assessment
- 14 Dec 18: Hong Kong's Role & the US-China Relationship "One Country, Two Systems"
- 17 Dec 18: Latin America's Migration Wave
- 18 Dec 18: U.S.-India Study Group, Session Three
- 19 Dec 18: Series on International Economics: A Conversation w/ Mick Mulvaney

Council on Foreign Relations – Select events in DC


- December 4, 2018 The Economic Costs of Gender-Based Violence in Latin America December 4, 2018 A Conversation w/ Marc Knapper
- December 5, 2018 Foreign Affairs: Do Nuclear Weapons Matter?
- December 5, 2018 U.S. Policy Toward Iran After JCPOA
- December 6, 2018 Ten Year Outlook: India
- December 6, 2018 Public Perceptions of Extended Deterrence in East Asia
- December 10, 2018 High Tech and the Future of Complex Humanitarian Crises
- December 12, 2018 Disease, Demography, and the Future of Africa
- December 13, 2018 The International Dimensions of the National Biodefense Strategy
- December 13, 2018 The Impact of Tariffs on the Heartland
- December 13, 2018 Task Force on U.S. Innovation Strategy and National Security
- December 14, 2018 Lessons Learned w/ Frances Fragos Townsend

- December 14, 2018 The Return to Great Power Rivalry
- December 14, 2018 Nuclear Arms Control Policy: A Conversation w/ Undersecretary of State Andrea L. Thompson

Projects and Research with Navy Equities:

- Dr. Jesse Ausubel's, report looking at the projected Maritime Environment in 2050 is complete and has been briefed to OSD's Office of Net Assessments. The final draft report is being reviewed by OSD and should be soon authorized for release and comment by the Services. The report is part of ONA's 2018 Summer Study. I have attached a copy of the draft that was presented to OSD. Pending their feedback, changes might still be possible. The draft report is not authorized for distribution.

(b) (6)

From: Loeblein, James T RADM USN OLA WASHINGTON DC (USA)
Sent: Wednesday, June 5, 2019 4:20 PM
To: Spencer, Richard V HON SECNAV; Richardson, John M ADM USN CNO (USA)
Cc: Modly, Thomas HON Under Secretary of the Navy; Moran, William F ADM USN VCNO (US); Kohler, Matthew J VADM USN (USA); Wright, B Lynn SES USN DCNO N2N6 (USA); Price, Gene F RDML USN (USA); VanOpdorp, Harold SES SECNAV; (b) (6)

Loeblein,
James T RADM USN OLA WASHINGTON DC (USA)
Subject: AAR - HPSCI National Security Implication of Climate Change Hearing, 5 Jun
Signed By: (b) (6)
Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Secretary, CNO - FYI... AAR from today's HPSCI Hearing on National Security Implications of Climate Change

Summary: On 5 Jun, Mr. Ringhausen (ONI), Mr. Peter Kiemel (ODNI), and Dr. Rod Schoonover (State INR) were witnesses for a House Permanent Select Committee on Intelligence (HPSCI) Hearing on the National Security Implications of Climate Change. The hearing covered many areas to include the Arctic, risks to basing, infectious diseases, and geoengineering of the climate. The Members were appreciative of the witness' efforts and participation in the Hearing, and multiple HPSCI PSMs indicated the hearing went very well and were pleased to see the Navy at the Hearing. There are no specific due outs for the Navy or ONI.

Key Takeaways:

- **U.S. Basing and Climate Change.** The Chairman and other HPSCI Members are interested in climate change impacts on U.S. basing to include basing associated with DoD and the Intelligence Community (IC). Mr. Ringhausen specifically directed any USN basing issues to the Secretary of the Navy but was able to address basing concerns related to Russia.
- **Infectious Diseases.** Multiple Members asked questions related to the increase possibility of infectious diseases as the climate changes. They requested the U.S. and IC be more predictive in assessing the spread of infectious diseases to find opportunities for the U.S. to provide assistance in responding to epidemics.
- **IC and Climate Change.** Members believe the IC can take a more serious approach to climate change, especially within ODNI. The Committee and HPSCI Members will likely support legislation to direct the IC and ODNI to elevate the climate change issue within the IC.

Two Questions for the Record were noted during the Hearing.

- 1) What IC installations are at risk due to climate change?

2) What is the level of priority the intelligence organization associated with United Kingdom, Canada, Australia, and New Zealand place on climate change?

Note - Will pass full transcript when complete

Expanded AAR below the cutline...

VR/Jim

RADM James T. Loeblein, USN
Navy Chief of Legislative Affairs

(b) (6)

HPSCI Members Present:

Rep. Adam Schiff (D-CA), Chairman
Rep. Devin Nunes (R-CA), Ranking Member
Rep. Jim Himes (D-CT)
Rep. Teri Sewell (D-AL)
Rep. Andre Carson (D-IN)
Rep. Jackie Speier (D-CA)
Rep. Mike Quigley (D-IL)
Rep. Joaquin Castro (D-TX)
Rep. Denny Heck (D-WA)
Rep. Peter Welch (D-VT)
Rep. Raja Krishnamoorthi (D-IL)
Rep. Sean Maloney (D-NY)
Rep. Mike Conaway (R-TX)
Rep. Brad Wenstrup (R-OH)
Rep. Chris Stewart (R-UT)
Rep. Rick Crawford (R-AR)
Rep. Elise Stefanik (R-NY)
Rep. Will Hurd (R-TX)
Rep John Ratcliffe (R-TX)

Witnesses:

Mr. Peter Kiemel, Counselor, National Security Council, ODN
Mr. Jeff Ringhausen, Senior Naval Intelligence Manager Russia and Eurasia, Office of Naval Intelligence
Dr. Rod Schoonover, Senior Analyst, Office of the Geographer and Global Issues, State Department Bureau of Intelligence and Research

Navy Escort:

(b) (6)

Detailed comments:

Rep. Schiff (D-CA) – Chairman:

- First question was directed at Mr. Ringhausen from ONI. How will the rising sea levels affect U.S. adversary as well as USN basing and port facilities?
- How will climate change impact water availability especially related to areas already coping with instability?
- Asked how if it is possible to engineer weather, to include creating rainfall. What is the worldwide status of these geoengineering capabilities?

Rep. Conaway (R-TX):

- Asked Mr. Ringhausen to explain the ONI-produced Russian Arctic EEZ and Facilities graphic to include the sea ice zones. Was particularly interested in the ice coverage of the Arctic currently as opposed to the last 10 to 20 years.
- Asked about the IC's roles and responsibilities related to climate change scientific modeling, the complexity of the modeling, as well as the complexity associated with assessments related to climate change security implications.

Rep. Himes (D-CT):

- Asked the witnesses what issues the Committee should consider related to National Security implications of climate change, especially as it relates to the budget, authorizations, and the structure of the government.

Rep. Sewell (D-AL):

- Interested in climate change's impact on the spread of infectious diseases. Specifically asked about the level of effort the IC employs to assess the threat of infectious diseases related to climate change.
- Made a point that climate change is a world-wide issue and U.S. participation in organizations such as the World Health Organization and adherence to the Paris climate accords are needed.
- Asked DNI and State INR representatives how one would engineer changes in climate and weather and if the technology is available to conduct such geoengineering of the climate; also asked if geoengineering technologies can be weaponized.

Rep. Stewart (R-UT):

- Emphasized the climate change topic is very "emotional" to some individuals.
- Asked the witnesses if the "dire claims" made by some throughout politics and in the community have negative impacts on the climate change conversation.
- Also asked the witnesses how climate change stacks up in terms of a prioritization within the IC. He specifically asked how much of a priority do analysts within the IC consider climate change as they perform their normal duties and focus on various subject areas.

Rep. Quigley (D-IL):

- Asked if and how often countries become involved in conflict over water issues, and if the IC believes the risk of this will increase due to climate change.
- WRT the Russian Northern Fleet, he asked what other potential threats related to Russia and the changing climate in the Arctic as navigable water ways increase.

Rep. Wenstrup (R-OH):

- Emphasized there can be both positive and negative effects to climate change.
- Asked ODNI if the U.S. and the IC can be more predictive in terms of the spread of infectious diseases and if the IC can use predictive analysis to be a part of the solution in fighting the spread of diseases.

Rep. Heck (D-WA):

- Believes there are profound national security implications related to climate change.
- Desired to know who within the IC has the responsibility to study and analyze the national security implications related to climate change.

- On that note, he will offer up legislation today, 5 June, to direct the IC and ODNI to elevate the climate change issue and create a specific climate change office within ODNI.

Rep. Stefanik (R-NY):

- Referenced a DoD report that listed 79 installations at risk due to changes in the climate. Desired to know how many IC installations are at risk due to climate change. This will be taken as a classified QFR.
- Also asked about the level of priority the 5-eyes partner's (UK, Canada, Australia, New Zealand) and their intelligence communities take the issue of climate change. This will also be taken as a QFR.

Rep. Castro (D-TX):

- Concerned about the impacts of climate change on South and Central America.
- Asked about the roles and responsibilities of Arctic Council and asked for specific achievements made by the Council that benefit the Arctic and the member countries.

Rep. Welch (D-VT):

- Concerned about climate change's impact on the food supply as well as the potential for population displacement. Specifically asked if developed countries, such as the U.S., will be impacted as they assist under-developed countries cope with food shortages or population displacement.
- Also asked how terrorist groups such as Al Qaida or ISIS take advantage of instability caused by climate change.

Rep. Speier (D-CA):

- Concerned about the risk of infectious diseases caused by climate change. Specifically referenced the threat and possibility of the Arctic permafrost warming releasing microorganisms that have been frozen for hundreds or thousands of years.
- Specifically asked if a conflict between China and Vietnam was more likely if climate change caused a shift in South China Sea fishing areas.

Rep. Carson (D-IN):

- Concerned about an increase in weapons proliferation caused by climate change. Asked what would be the link between increases in the proliferation of weapons and a shifting climate and what areas of the world are most at risk.

(b) (6)

From: Loeblein, James T RADM OLA, LA-00
Sent: Wednesday, December 12, 2018 5:02 PM
To: Spencer, Richard V HON SECNAV; Richardson, John M ADM CNO; Neller, Robert B Gen CMC, CMC
Cc: Modly, Thomas HON Under Secretary of the Navy; Moran, William F ADM, OPNAV, VCNO; Thomas, Gary L BGen P&R, P&R; Mate, EmilyGrace SES SECNAV, FO; Geurts, James HON ASN(RD&A); Slavonic, Greg HON ASN (M&RA); Bayer, Phyllis HON OASN (EI&E), ASN (EI&E); Harker, Thomas HON ASN (FM&C); Grady, Christopher W ADM USFF, N00; Aquilino, John C ADM COMPACFLT, N00; Easter, Steffanie B SES OPNAV, DNS; Burke, Robert P VADM CNP, N1; Kohler, Matthew J VADM OPNAV, N2N6; Munsch, Stuart B RADM OPNAV; Smith, Dixon R VADM OPNAV, N4; Lescher, Bill K VADM OPNAV, N8; Merz, William R VADM OPNAV, N9; Burcher, Andy RDML, OPNAV, VDNS; Rocco, Michael A BGen MRA, DC, Manpower, and Reserve Affairs; Reynolds, Lori E BGen DC/I, 4E530; Beaudreault, Brian D PP&O, P; Chiarotti, Charles G Col I&L, I&L; Jansen, John M BGen P&R, P&R; Berger, David H MajGen MCCDC, CG MCCDC; Crites, Randy B RADM ASN(FM&C), FMB, N82; Walt, David P CAPT OASN(FM&C), FMBE; Weiler, Edward M CDR FM&C, FMBE; Hone, Marc A CIV OASN(FM&C), FMBE; Kennedy, Paul J MajGen, Legislative Assistant to CMC; (b) (6)

Subject: AAR: SASC Seapower/Readiness Subcommittee Hearing on Navy and Marine Corps Readiness (12 Dec 2018)

Signed By: (b) (6)

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Secretary, CNO, CMC – FYI...AAR from today's combined SASC Seapower and Readiness Subcommittees hearing on Navy and Marine Corps Readiness.

Note – Positive feedback from the PSMs stating that the members were ‘very pleased with today’s hearing’...

Summary: On 12 Dec 2018, SECNAV, CMC, VCNO, and Mr. Pendleton (GAO) testified before the SASC Subcommittees on Seapower and Readiness. Overall the testimony was well received and the Subcommittees were appreciative of DoN’s efforts to improve readiness.

Hearing Primary themes:

- 1. Sequestration:** Demonstrate the harmful impacts of sequestration and stress the importance of continued, stable funding for the DON.
- 2. Readiness & Training:** Focus on readiness & training for naval forces, with specific emphasis on surface ship readiness and efforts to improve aircraft availability rates to support great power competition and the high end fight.
- 3. SSN Maintenance:** Attack submarine maintenance, with specific focus on Navy’s Public Shipyard Infrastructure Optimization Plan (SIOP), the public shipyard workforce, and balance of work between public and private shipyards.

Key Takeaways:

- 1. Sequestration:** All Senators pressed the witnesses to provide examples of the harmful effects that would be caused by a return to sequestration. Senators appeared to understand and support the need for sustained, continued, and timely funding to improve Navy readiness levels, reduce maintenance backlogs and improve overall infrastructure concerns including Public Naval Shipyards.
- 2. Surface Ship Readiness:** Senator Wicker (R-MS) focused on improvements in the readiness of Navy surface ships. The Senator is interested in changes the Navy has implemented to improve training and readiness of the surface fleet, as well as the resulting improvements the Navy has seen from these changes.
- 3. SSN Maintenance:** SASC continues to be concerned with SSN maintenance backlogs, SSN idle time, and lost SSN operational time. They are highly interested in the Report to Congress due 28 Dec 2018 that will address the SSN maintenance plan over the next five years. SASC continues to press the Navy to improve the public shipyards and award an increased number of SSN availabilities to the two private shipyards. Senator Blumenthal (D-CT) specifically discussed the importance of providing submarine maintenance contracts to Electric Boat to support a near-term decrease in workload prior to the Columbia program production ramp.
- 4. Shipyard Infrastructure:** SASC is supportive of the Navy’s SIOP, and desires information on the progress to date in executing the SIOP across the four public shipyards.
- 5. Aviation Readiness:** SASC applauds the Navy’s goal of achieving 80 percent mission capable rates for naval aviation, but is skeptical the Navy will be able to achieve this goal and is concerned at the cost it may have in other areas of the Navy as funding priorities change.
- 6. Climate Change:** SASC is concerned with the potential impact climate change, rising sea levels, and severe weather events will have on naval installations.
- 7. Financial Audit:** SASC is interested in the results of the financial audit, the lessons learned from the audit, and when the DON can expect a clean financial audit in the future.

Due Outs: OLA will put into CIMS and assign to appropriate organization.

1. Submit SECNAV map graphic showing the potential damaging effects of sequestration is provided to the Committee for inclusion in the record. (Complete)
2. VCNO offered to follow-up with Senator Hirono (D-HI) and provide written examples of surface ships that did not deploy on time, or did not participate in exercises on time, based on reports from the chain of command that training and readiness levels were not sufficient.
3. SECNAV offered to follow-up with Senator Kaine (D-VA) and provide examples of Resilient Energy Program Office (REPO) projects.
4. SECNAV offered to follow-up with Senator Hirono to provide a list of examples for actions being taken each of the public shipyards to execute the SIOP.

Expanded AAR below...

VR/Jim

RADM James T. Loeblein, USN
Navy Chief of Legislative Affairs



Witnesses:

- Honorable Richard V. Spencer, Secretary of the Navy
- General Robert B. Neller, USMC, Commandant of the United States Marine Corps
- Admiral William F. Moran, USN, Vice Chief of Naval Operations
- Mr. John H. Pendleton, Director, Defense Capabilities and Management, United States Government Accountability Office

Senators in attendance:

- Senator Wicker (R-MS) Seapower Subcommittee Chairman
- Senator Kaine (D-VA), Readiness Subcommittee Ranking Member
- Senator Sullivan (R-AK), Readiness Subcommittee Chairman
- Senator Hirono (D-HI), Seapower Subcommittee Ranking Member
- Senator Rounds (R-SD)
- Senator King (I-ME)
- Senator Ernst (R-IA)
- Senator Shaheen (D-NH)
- Senator Blumenthal (D-CT)

Expanded points:

Senator Wicker (R-MS), Seapower Subcommittee Chairman:

- What would be the impact of sequestration? Please provide examples of how damaging the impacts of sequestration would be to DON. Later stated that he does not believe we will see a return to sequestration.
- Stated the Committee can address climate change issues at naval installations without the need for a BRAC round.
- Why did the BOISE spend four years waiting for a dry-dock? Why did that happen?
- Requested input on what the Navy needs Congress to provide in terms of resources to facilitate real improvements in readiness. Wants to know what Navy requires in addition to the adequate budgets that have been provided the past two years.
- Section 911 of FY19 NDAA requirement to review surface warfare operational and administrative chains of command, will the Feb 2019 deadline be met? Can you share any insights at the present time?
- Section 915 of FY19 NDAA update on Navy's progress at installing ASN(RD&A) in charge of sustainment (maintenance).
- Section 322 of FY19 NDAA INSURV changes - requested if the Navy will meet the Jan 1, 2020 requirement to conduct INSURVs with minimal notice.
- Section 323 of FY19 NDAA limits overseas durations not to exceed 10 years. Will the Navy actions to comply?
- Section 526 of FY19 NDAA requires surface watch stander career records (experience log) for key watch stations. Will the Feb 2019 deadline be met?
- Section 524 of FY19 NDAA requires a comprehensive assessment of the Navy standard workweek and the manpower necessary to execute inport workload. Will the deadline for this review be met and can you share any early insights?
- Section 527 of FY19 NDAA requires a review of the adequacy of the individual training for certain watch stations. Will the Feb 2019 deadline be met and can you share any insights?
- Section 525 of FY19 NDAA requires congressional notification if manning levels drop below certain levels for certain ships. We have not received any reports yet, is the Navy compliant with this section? What will the initial report show?

- Section 334 of FY19 NDAA requires a review of options to increase requirements for civilian watch standing. Will the March 2019 deadline be met?
- Section 335 of FY19 NDAA mandates a deadline of Feb 2019 to a review of excess requirements. Will you meet the deadline?

Senator Hirono (D-HI), Seapower Subcommittee Ranking Member:

- Public Shipyards. Shipyard Infrastructure Optimization Plan. SECNAV – Where does the Navy stand on implementing the master plan to improve and modernize the public shipyards?
- I am very interested to know what specifically is happening at Pearl Harbor Naval Shipyard to lead to its modernization.
- For GAO, what have you done to analyze the shipyards and whether the Navy plan will work to modernize them? When can Congress expect a report from GAO on this topic?
- For SECNAV, are you being realistic by saying we expect naval aircraft to reach 80 percent readiness?
- I am concerned about innovative accounting techniques to reach 80 percent readiness? Can you assure us you will not use innovative techniques to say naval aircraft are at 80 percent readiness?
- SECNAV, can you give us your views on pursuing corrosion prevention with respect to aircraft? Can you tell us what you are doing to address corrosion issues?
- Is corrosion one of the factors you consider when you award a ship or aircraft contract? Do you consider anti-corrosive products when you award a contract?
- Can you tell me what specifically is being done at each of the 4 public shipyards to comply with the SIOP?
- Can you point to any example of a ship not deploying, when assigned to deploy, based on a recommendation from the chain of command that training and readiness requirements were not met?
- Agreed that a trip to the west coast to understand aviation maintenance would be beneficial for her.

Senator Sullivan (R-AK), Readiness Subcommittee Chairman:

- For SECNAV, with respect to the Arctic, Russia is building up in the Arctic, SECDEF says the Arctic is a strategic area, can you focus on some of the issues you see as challenges in the NDS for the Arctic? Can I have your commitment to work through strategic challenges with the Committee in the Arctic?
- Expressed interest and asked for our commitment to consider a future naval base in Alaska to support Arctic operations.

Senator Kaine (D-VA), Readiness Subcommittee Ranking Member:

- For SECNAV, with respect to the 2015 NDAA requirement to audit DOD, how are you using tools like auditing financial records to figure out how to use your resources better and squeeze more out of them? Suggested that we should expect to be asked audit related questions repeatedly in the coming years.
- What are the top 10 installations at risk to weather damage for DON? When we will see the RTC that is due this month? We look forward to receiving the weather risk RTC.
- We know the backlog of facility improvements is high. With respect to the Resilient Energy Program Office (REPO), we have heard REPO project efforts have slowed to almost zero. Why? For the record, we will owe a list of REPO projects.

Senator Rounds (R-SD)

- Concerned with aircraft mission capable numbers and fully mission capable numbers for F-18s and F-35s. After a discussion on the calculations of the MC numbers, full inventory vs. primary mission available inventory (PMAI), the discussion was dropped.
- Asked VCNO to discuss F-35C readiness rates and why they are so low?
- With USS BOISE as a prominent example of the need to improve our shipyards, can you tell me if the USS BOISE is now in dry-dock? Why is the BOISE still not in dry-dock?
- Today, do we have any other attack submarines that are currently pier side, not able to submerge due to expired certifications, but not yet in dry-dock? Stated that we had one last year and now we have three.
- It appears we are moving in the wrong direction with respect to attack submarine maintenance and getting these boats into and out of shipyards on time? The Navy should be able to tell us, and the American public, what resources

they need to get these submarines into dry-dock on time. What else is necessary? What do you need from Congress to make real improvements in our shipyards? The Committee wants to help, but we need the Navy to clearly communicate the necessary resources.

Senator King (I-ME)

- What can you learn from the private sector with respect to inventory management, scheduling, maintenance, etc.?
- One of the concerns I have is personnel and the workforce at Portsmouth Naval Shipyard. I hope the Navy is thinking about workforce development because it is not going to happen on its own.
- Talking about the industrial base and acquisition, I understand the new Frigate is being competed amongst five yards right now in a winner take all competition for all 20 ships. Talk to me about the possibility of splitting the FFG award between two, or even three, shipyards.
- What did you learn from completing the financial audit? When can we expect a clean audit? Do you feel we are headed to a time when there will be a clean audit?

Senator Ernst (R-IA)

- How do you believe we can ensure our Special Operations forces have continued, assured access to forward staging bases?
- With limitations on the usage of leased vehicles, how do you balance the need for SOF vessels? Is this something SASC can address for you with additional NDAA language?
- Are there platforms in the current inventory of available vessels that could address your SOF gaps?
- Can you please address the challenges the Navy and USMC are facing with respect to recruiting and retaining top level people in the service?

Senator Shaheen (D-NH)

- With respect to delays in maintenance and the plan to address depot maintenance, are there lessons we have learned about how to better execute depot maintenance and get the ships back to the fleet following damage? Can you talk about lessons that have been learned with respect to depot maintenance?
- With respect to 'grey zone' conflicts, how do we measure how ready we are, and what do we do to address this problem? Stated that it is not clear to me how we are addressing this problem.
- It would be helpful to me to have a better understanding of cyber readiness and 'grey zone' conflicts.
- Has there been any evidence of fraud in the DOD audit?

Senator Blumenthal (D-CT)

- With respect to SSN maintenance and the recent GAO report, EB has 5,000,000 man-hours of available maintenance capacity from FY19-24. I wrote the SECNAV a letter last week on this topic. I think Navy should consider awarding more than two SSN availabilities to private yards to address this issue.
- How is the current submarine maintenance schedule effecting readiness?
- Would you recommend that additional attack submarine work be sent to the private shipyards?
- I look forward to hearing in more detail about SSN maintenance plans when you respond to my letter.

[REDACTED]

From: Smith, Dixon R VADM USN DCNO N4 (USA)
Sent: Monday, April 8, 2019 4:31 PM
To: Richardson, John M ADM USN CNO (USA)
Cc: Moran, William F ADM USN VCNO (US); Easter, Steffanie B SES USN CNO (USA); Balisle, Jennifer J SES USN DCNO N4 (US); Loeblein, James T RADM USN OLA WASHINGTON DC (US); (b) (6); [REDACTED]; Mate, Emily Grace (EmilyGrace) SES USN (USA); (b) (6); [REDACTED]
Subject: Testimony RFIs - Renewable Energy & Climate Change
Signed By: (b) (6)
Follow Up Flag: Follow up
Flag Status: Flagged

CNO,

In response to your RFIs for Renewable Energy & Climate Change, the following is provided:

1. Navy's use of renewable energy and alternative fuels.

(b) (5)
[REDACTED]

(b) (5)
[REDACTED]

(b) (5)
[REDACTED]

2. Navy's response to Climate Change.

(b) (5)
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

V/R, Dixon

(b) (6)

From: Miranda, Gerald N (Jerry) JR CAPT USN SECNAV WASHINGTON DC (USA)
Sent: Tuesday, March 12, 2019 3:20 PM
To: Spencer, Richard V HON SECNAV; Richardson, John M ADM USN CNO (USA)
Cc: Modly, Thomas HON Under Secretary of the Navy; Moran, William F ADM USN VCNO (US); Harker, Thomas HON ASN (FM&C); Geurts, James HON ASN(RD&A); Bayer, Phyllis HON OASN (EI&E), ASN (EI&E); Smith, Dixon R VADM USN DCNO N4 (USA); Balisle, Jennifer J SES USN DCNO N4 (US); Lescher, William K VADM USN DCNO N8 (USA); Crites, Randy B RADM USN ASSTSECNAV FMC DC (US); Loeblein, James T RADM USN OLA WASHINGTON DC (US); Moser, James L SES USN DCNO N8 (US); Tammen, John W RADM USN DCNO N9 (US); Plath, Erica H SES USN CNO (US); Goodfellow, Susan T (Sue) SES USN DCNO N4 (US); (b) (6) USN CNO (USA); Mate, Emily Grace (EmilyGrace) SES USN (USA); Howes, Brian SES OPNAV, N97; (b) (6)

Subject: AAR - Leadership Meetings with Rep Garamendi (D-CA), Chairman of the HASC Readiness Subcommittee (12 Mar)

Signed By: (b) (6)

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Secretary, CNO - FYI... AAR from Rep. Garamendi's visit to the Pentagon today.

Summary: On 12 March, Rep. Garamendi (D-CA) held a series of office calls with Navy leadership including Mr. Modly (USN) and VCNO (ADM Moran), Mr. Geurts (RDA), Ms. Phyllis Bayer (EI&E) and Ms. Jennifer Balisle (N4B), Mr. Thomas Harker (ASM FM&C), VADM Lescher (N8), and RADM Crites (FMB). The meetings were scheduled by request of Rep. Garamendi to provide a meet and greet opportunity as the HASC Readiness Subcommittee Chairman. All meetings were friendly and Rep. Garamendi expressed support of Navy's efforts. It was clear that Rep. Garamendi is focused on how he can assist the Navy in the NDAA process in FY20 and beyond.

Key Takeaways:

- Climate Change. Interested in Navy's ability to adapt, be resilient, and reduce contributions to climate change.
- Analytic Capacity. Asked his Professional Staff to identify a model to provide oversight to the Navy's Performance to Plan (P2P) model.
- Arctic Strategy. Interested in Navy policies and operations relating to the Arctic Ocean.
- Operational Energy. Interested in the Navy findings on USS Truxton's Hybrid Electric Drive (HED).
- Installation resiliency. Encourages installations to be energy/water independent and is looking for the Navy to increase use of previously granted authorities for shore installations.
- Training Range Encroachment. Supportive of Navy's need to maintain effective training ranges. He is encouraged that OSD has broadened the Siting Clearinghouse process to include off shore and on shore activities.

- Sealift Recapitalization. Interested in the Navy's Sealift recapitalization plan.
- Nuclear Power. Mentioned that he supports nuclear power and is interested in the Navy's nuclear power model.
- Simulators. Supports Navy's use of simulators to better train Sailors, including Surface Warfare Officers.
- Additive Manufacturing. Brian Garrett, lead Readiness PSM, asked about the engineering disposition policies that ASN RDA is working towards.

Due Outs:

- Identify opportunities to have Rep Garamendi visit Naval Air Warfare Center Training Systems Development (NAWCTSD).
- Provide HASC PSMs with Performance to Plan (P2P) briefing.

Expanded AAR below the outline.

V/R,
 Jerry
 CAPT Jerry Miranda
 Deputy CLA
 Office of Legislative Affairs
 [REDACTED]

Audience:

- Rep. Garamendi (D-CA), Chairman, HASC Readiness Subcommittee
- Mr. Brian Garrett, HASC Lead Readiness PSM
- Ms. Melanie Harris, HASC Navy OMN Readiness PSM
- Ms. Jeanine Womble, HASC Energy Readiness PSM
- Ms. Betsy Thompson, Military Legislative Assistant to Rep. Garamendi (D-CA)
- Maj Daniel Naske, Defense Fellow to Rep. Garamendi (D-CA)

Briefers:

- Hon. Thomas Modly, Under Secretary of the Navy (USN)
- ADM William Moran, Vice Chief of Naval Operations (VCNO)
- Hon. James F. Geurts, Assistant Secretary of the Navy for Research, Development, and Acquisition (ASN(RD&A))
- Hon. Phyllis Bayer, Assistant Secretary of the Navy for Energy, Installations, and Environment (ASN(EI&E))
- Ms. Jennifer Balisle, Assistant Deputy CNO for Fleet Readiness and Logistics (N4B)
- Hon. Thomas Harker, Assistant Secretary of the Navy for Financial Management and Comptroller (ASM(FM&C))
- VADM Bill Lescher, Deputy CNO for Integration of Capabilities and Resources (N8)
- RADM Randy Crites, Deputy Assistant Secretary of the Navy for Budget (FMB)
- Mr. James Moser, Director, Fleet Readiness (N83)

Escort:

(b) (6)
 [REDACTED]

Expanded Points:

- Climate Change. Rep. Garamendi is interested in Navy's ability to adapt, be resilient, and reduce the Navy's contributions to climate change. This was the central topic for his line of questioning in every meeting.
- Analytic Capacity. Rep. Garamendi supports the Navy's actions and is concerned that they are driven by current leadership and is looking for a method to ensure Navy's tools, like P2P, are enduring. Furthermore, he supports growing the Navy's analytical capacity to best utilize the quantity of data currently collected to provide prediction and prescriptive analysis.

- Arctic Strategy. Rep. Garamendi sees ice cap melting and adversary's use of the arctic as the two driving factors to increase Navy's presence and operations in the Arctic Ocean.
- Operational Energy. On several occasions, Rep. Garamendi mentioned the Navy's enormous fuel consumption and believes that efforts like HED provide three benefits - operational benefits (on station time), less greenhouse gases, and they save money. He also noted that the Navy should be more aggressive by increasing our hybrid vehicles ashore and suggested that HED should be considered in the next generation Frigate.
- Installation resiliency. Rep. Garamendi is looking for Navy to increase use of previously granted authorities for shore installations. Jeanine Womble, HASC PSM on Energy and MILCON, provided Rep. Garamendi over a dozen authorities from the past two years NDAA's that empower the Navy, or Department of Defense, and installation commanders to become more resilient and more efficient. Rep. Garamendi recommended the Navy identify baselines on each base that measure how much energy we consume today, providing incentives for those who save energy.
- Training Range Encroachment. Rep. Garamendi is encouraged that OSD has broadened the Siting Clearinghouse process, to include off shore and on shore activities. HASC PSM, Brian Garrett, commented that while he is pleased OSD is now reviewing off shore training ranges as part of the Siting House Clearing process, he indicated HASC is supportive of future legislation to ensure this is sustained long-term if necessary.
- Sealift Recapitalization. Rep. Garamendi co-chaired a hearing with TRANSCOM on 7 Mar that focused heavily on Sealift recapitalization.
- Nuclear Power. Rep. Garamendi mentioned that he supports nuclear power and is interested in the Navy's nuclear power model. As background, he met with a nuclear physicist on 11 March and is concerned that the civilian world should be more aligned to the Navy's power model.
- Additive Manufacturing. Brian Garrett, lead Readiness PSM, is concerned that the U.S. Air Force model is not as adaptive as the policies discussed by ASN RDA.